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09/786,917	05/15/2001	Hongil Kim	24548	7947

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EXAMINER

GOLINKOFF, JORDAN

ART UNIT	PAPER NUMBER
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2174

DATE MAILED: 12/04/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/786,917

Applicant(s)

KIM ET AL.

Examiner

Jordan S Golinkoff

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 May 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 5/15/01 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Specification

1. This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required.
2. This application contains 3 drawings within the specification: Examples 1 – 3. These examples must be made figures in the drawing section of the application and removed from the specification. Furthermore, all figures and text within and describing figures must be written in English.
3. The disclosure is objected to because of the following informalities:
 - a. page 6, line 11 and page 9, line 9 and page 11, line 17 and page 14, line 1 – “setting output forms” is vague and unclear.
 - b. page 6, line 12 and page 9, line 13 and page 11, line 13 and page 14, line 5 – figures 1c and 2c, element s21 and s51, respectively, check to determine if the connection to the server has ended. However, the specification states, “the step of S21 of ending the connection to the real-time information server.” Either the drawings or the specifications should be changed to be consistent with each other.
 - c. Page 7, line 4 and page 12, line 5 and page 17, line 5 – “when given conditions are identical to the conditions set up by the user” is vague and unclear
 - d. Page 10, line 5 and page 14, line 19 – “if a sequence of predetermined steps are completed” is vague and unclear.
 - e. Page 11, line 2 – “or” should be removed
 - f. Page 11, line 4 – “other conditions by a user” is vague and unclear

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- g. Page 11 line 13 and page 13, line 10 – It should be specified if the location of the mouse is important when monitoring “whether the user has operated the right button of the mouse.”
- h. Page 11, line 21 – “an” should be changed to “the”
- i. Page 12, line 1 – “a monitored picture” should be changed to “the monitor.”
- j. Page 12, line 16 – It should be specified if the location of the mouse is important when monitoring “whether the user has operated the left button of the mouse.”
- k. Page 13, line 16 – “provides output forms of various information on the task bar” is vague and unclear.

Appropriate correction is required.

Claim Objections

- 4. Claims 2-4 and 7 are objected to because of the following informalities:
 - a. Claim 2, page 21, line 21 and Claim 4, page 23, line 11 – “an” should be changed to “the”

Appropriate correction is required.

Claim Rejections - 35 USC § 112

- 5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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6. Claims 2, 4, and 7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

7. Claims 2, 4 and 7 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential elements, such omission amounting to a gap between the elements. See MPEP § 2172.01. The omitted elements are a description of the following terminology used in the claims:

- a. Claim elements 2n, 2p, and 4l describe outputting messages or forms without any description of what these messages or forms contain.
- b. Claim elements 4b and 7a describe conditions set by a user without any description of these conditions.
- c. Claim elements 4e and 4i do not specify if the location of the mouse is important when the user operates the right or left mouse button.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Straub et al. ("Straub," US006091411A) in view of Lambiase (US006618477B1).

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As per independent claim 1, Straub teaches a real-time information service system using task bar and tray clock of Windows (column 13 lines 18-20 and figure, element 126, *the ticker may also be placed at the bottom of the display thereby becoming part of the start menu and tray clock area*) comprising:

- a. a means for displaying the information received from said real-time information server on the task bar in real time (column 13, lines 18-25)
- b. a means for displaying the information received from said real-time information server on the tray clock in real time (column 13, lines 18-25, *the tray clock is another area within the task bar area*).

Straub does not disclose a real time information service system using a title bar of windows comprising a means for displaying information received from a real-time information server on a title bar in real time. Lambiase teaches that it is known to display real-time information from a server in the title bar of a window (column 3, lines 35-39 and figure 1, element 12). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include a means to display real-time information from a server in a title bar, as taught by Lambiase, with a means to display real-time information from a server in the task bar and tray clock areas of a Windows system, as taught by Straub, in order to notify users of real time information with minimal intrusion on current tasks being performed by the user.

10. Claims 2-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Straub et al. ("Straub," US006091411A) in view of Lambiase (US006618477B1) and further in view of Hewlett Packard LaserJet Document Assistant ("HP Assistant", see Screen Dumps figures 1-4).

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As per claim 2, which is dependent on claim 1, the combination of Straub and Lambiase teach a means for displaying the information received from a real-time information server on a title bar in real time (Lambiase, column 3, lines 35-39 and figure 1, element 12). Lambiase further discloses:

- b. setting up items to be displayed on said title bar and other conditions by a user (column 3, lines 35-39).
- e. monitoring task change and window transition events (column 3, lines 35-39).
- f. detecting variations in an active window (column 3, lines 35-39).
- g. performing processes corresponding respectively to the detected variations in said active window (column 3, lines 35-39).
- h. receiving a variety of real-time information from said real-time information server (figure 1, element 12).
- i. searching for said active window and extracting a handle value corresponding to the searched window (column 5, lines 64-66, *the window with the focus is found and the title is changed*).
- o. editing the contents of said title bar (column 5, lines 64-66).
- r. if the connection to the real-time information server is not ended, returning to said step e) of monitoring the task change and window transition events (column 6, lines 9-18).
- s. if the connection to the real-time information server is ended, ending an associated program and restoring the current values to the original values (column 6, lines 9-18).

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As per claim 2, which is dependent on claim 1, the combination of Straub and Lambiase teach a means for displaying the information received from a real-time information server on a title bar in real time (Lambiase, column 3, lines 35-39 and figure 1, element 12). They do not disclose:

- a. registering a real-time information service icon on a tray of a Windows system,
- or;
- k. determining whether the user has clicked on the registered real-time information service icon on said tray, or;
- l. displaying a menu window, or;
- m. selecting registered information or help information in the displayed menu window.

HP Assistant teaches that it is known to have an icon in the system tray (figure 2, element 1) and to display a menu window when the item is clicked (figure 3) as well as selecting help information from the displayed menu window (figure 3, element 2). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include a system tray icon having the above mentioned functionality, as taught by HP Assistant, with a means to display real-time information from a server in a title bar, as taught by the combination of Straub and Lambiase, in order to allow the user a means to quickly select options and preferences in a way that does not intrude on the user's work space.

As per claim 2, which is dependent on claim 1, the combination of Straub and Lambiase teach a means for displaying the information received from a real-time information server on a

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title bar in real time (Lambiase, column 3, lines 35-39 and figure 1, element 12). Lambiase does not disclose:

- c. entering an identification and password in said real-time information server, or;
- d. logging in to said real-time information server, or;
- q. ending connection to said real-time information server

Official Notice is given that entering a identification and a password to log into a server and terminating connections with a server is notoriously well known in the art. It would have been obvious to one of ordinary skill in the art at the time the invention was made to include a method to log into and to log out of a server using an identification and password means with a means to display real-time information on a title bar, as taught by Straub and Lambiase, in order to insure secure communications between a server and clients.

Claim 3 is similar in scope to claim elements 2a, 2i, and 2j, and is therefore rejected under similar rationale.

As per claim 4, which is dependent on claim 1, the combination of Straub and Lambiase teach a means for displaying the information received from a real-time information server on a task bar in real time (Straub, column 13 lines 18-20 and figure, element 126, *the ticker could be on the bottom of the display and would then be part of the task bar*). Straub further discloses:

- a. creating an additional tool bar window on said task bar (column 13 lines 18-20 and figure, element 126, *the ticker could be on the bottom of the display and would then be part of the task bar*).

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- b. setting up items to be displayed on said task bar and other conditions by a user (column 13 lines 18-20 and figure, element 126, *the ticker could be on the bottom of the display and would then be part of the task bar*).
- e. determining whether the user has operated a left button of a mouse (column 12, lines 10-17).
- f. gaining access to said real-time information server and providing detailed information from said server to a screen (column 13, lines 18-25).
- h. displaying the information received from said real-time information server on said task bar according to the conditions set up by the user (column 13, lines 18-25).
- i. determining whether the user has operated a right button of the mouse (column 12, lines 10-17).
- m. editing the contents of said task bar (column 13, lines 3-7).

Claim elements 4c, 4d, 4g, 4j, 4k, 4n, 4p, and 4o are similar in scope to claim elements 2c, 2d, 2h, 2k and 2l, 2m, 2q, 2s, and 2r, respectively, and are therefore rejected under similar rationale.

Claim 5 is similar in scope to claim elements 4i, 4j, and 4k, and is therefore rejected under similar rationale.

Claim 6 is similar in scope to claim elements 4k, 4m, 4n, and 4p, and is therefore rejected under similar rationale.

As per claim 7, which is dependent on claim 1, the combination of Straub and Lambiase teach a means for displaying the information received from a real-time information server on a tray clock in real time (Straub, column 13 lines 18-20 and figure, element 126, *the ticker could*

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be on the bottom of the display and would then be part of the task bar and tray clock).

Therefore, Claim elements 7a, 7b, 7c, 7d, 7e, 7g, 7h, and 7i are similar in scope to claim 4b, 2c, 2d, 2h, 4h, 4e, 4e, and 4p, and are therefore rejected under similar rationale.

The combination of Straub and Lambiase does not disclose:

- f. determining whether a mouse is positioned on said tray clock.

However, HP Assistant teaches that it is known to determine when a mouse is positioned over an icons in the tray clock (figure 4). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include the ability to determine when a mouse was positioned over a tray clock, as taught by HP Assistant, with a means to display real-time information from a server on the tray clock, as taught by the combination of Straub and Lambiase, in order to display pertinent information to the user and allow for menus to be opened by a mouse click.

Claim 8 is similar in scope to claim elements 7f, 7g, 7h, 7i, and 7j, and is therefore rejected under similar rationale.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Nawaz et al. (US006421694B1) teaches a means to display real-time information in a ticker display.
- b. Gegoux (WO 01/20474 A1) and Kim (WO 01/27714 A2) teach a means to display real-time information in a title bar.

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Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jordan S Golinkoff whose telephone number is 703-305-8771.

The examiner can normally be reached on 5 - 4/9 Compressed Work Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on 703-308-0640. The fax phone number for the organization where this application or proceeding is assigned is 703-746-7239.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Jordan Golinkoff
Patent Examiner
November 14, 2003

Kristine Kincaid
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